

10/530078  
PCT/PTO 01 APR 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
22 April 2004 (22.04.2004)

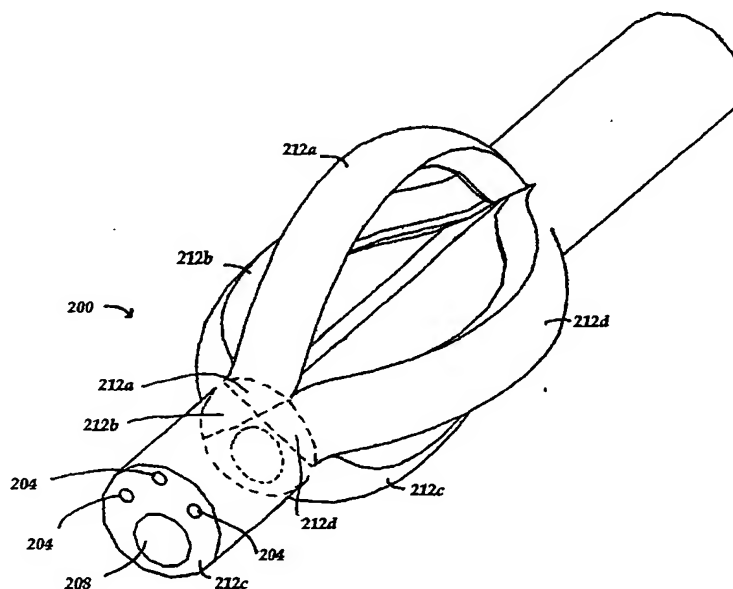
PCT

(10) International Publication Number  
WO 2004/032795 A2

- (51) International Patent Classification<sup>7</sup>: A61F
- (21) International Application Number: PCT/US2003/032162
- (22) International Filing Date: 8 October 2003 (08.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/417,115 9 October 2002 (09.10.2002) US
- (71) Applicant (for all designated States except US): FOSSA MEDICAL, INC. [US/US]; 580 Harrison Boulevard, 4th Floor, Boston, MA 02118 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MANASAS, Mark [US/US]; 25 Trimount Street, Dedham, MA 02026 (US). KOLB, Gloria, Ro [US/US]; 308 Quarry Street, #501, Quincy, MA 02169 (US).
- (74) Agents: KAMHOLZ, Scott, E. et al.; Foley Hoag LLP, Patent Group, 155 Seaport Boulevard, Boston, MA 02210 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: ECCENTRIC LUMEN STENTS



(57) Abstract: Embodiments of medical devices are described, such as stents, for dilating passageways. A medical device can include a flexible body, having a proximal end, a distal end, and a longitudinal axis. The flexible body can further include a flexible elongate member that is defined by a longitudinally extending aperture in the body. The member can be radially expandable with respect to the longitudinal axis. The device can also define an eccentric lumen, at least a portion of the eccentric lumen being offset from the longitudinal axis.

WO 2004/032795 A2